

CLAIMS

What is claimed is:

1. A brake assembly comprising:
an overstroke indicator system; and
an operating shaft which rotates about a pivot axis to actuate said overstroke indicator system in response to an overstroke condition.
2. The overstroke indicator system as recited in claim 1, further comprising:
an indicator adjustment shaft defining a first axis;
a biasing member which biases said indicator adjustment shaft along said first axis;
a cam surface fixed to said indicator adjustment shaft; and
a cam member mounted to said operating shaft to engage said cam surface to drive said indicator adjustment shaft along said first axis against said biasing member in response to rotation of said operating shaft about said pivot axis to an overstroke condition.
3. The overstroke indicator system as recited in claim 2, wherein said indicator adjustment shaft at least partially projects through a brake housing portion.
4. The overstroke indicator system as recited in claim 1, further comprising an overstroke sensor located in an angular position relative said pivot axis adjacent a path of rotation of said operating shaft.
5. The overstroke indicator system as recited in claim 1, further comprising an overstroke sensor located in an angular position relative said pivot axis adjacent a path of rotation of an end segment of said operating shaft.

6. The overstroke indicator system as recited in claim 1, further comprising an overstroke sensor located in an angular position relative said pivot axis adjacent a path of rotation of a tab extending from said operating shaft opposite an end segment.
7. The overstroke indicator system as recited in claim 1, further comprising a mechanical overstroke member located in an angular position relative said pivot axis adjacent a path of rotation of said operating shaft.
8. The overstroke indicator system as recited in claim 7, wherein said mechanical overstroke member comprises a buckling member which buckles in response to contact with said operating shaft.

9. An overstroke indicator system for a brake assembly comprising:
an indicator adjustment shaft defining a first axis;
a biasing member which biases said indicator adjustment shaft along said first axis;
a cam surface fixed to said indicator adjustment shaft;
a cam member which engages said cam surface to drive said indicator adjustment
shaft along said first axis against said biasing member in response to
an overstroke condition.

10. The overstroke indicator system as recited in claim 9, further comprising an
operating shaft, said cam member mounted to said operating shaft.

11. The overstroke indicator system as recited in claim 9, wherein said indicator
adjustment shaft projects through a brake housing portion.

12. The overstroke indicator system as recited in claim 11, wherein said indicator
adjustment shaft at least partially retracts into said brake housing
portion in response to said overstroke condition.

13. The overstroke indicator system as recited in claim 10, further comprising an
adjuster limit arm mounted to said operating shaft.

14. The overstroke indicator system as recited in claim 13, further comprising an
overstroke sensor, said adjuster limit arm operable to actuate said overstroke sensor in
response to said overstroke condition.